AMENDMENTS TO THE CLAIMS

Please amend claim 1 as indicated below.

A listing of the status of all claims 1-99 in the present patent application is provided below.

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1. (Currently Amended) A method of generating a navigation transmission signal in a

navigation system comprising a carrier signal, a ranging code, and at least one subcarrier

modulation signal, the method comprising the step of modulating the carrier signal by the at least

one subcarrier modulation signal and the ranging code to generate the navigation transmission

signal; wherein the at least one subcarrier modulation signal comprises a number, m, of amplitude

levels, where m > 2.

2-3. (Canceled)

4. (Previously Presented) A method as claimed in claim 1, wherein m is selected from at

least one of 3, 4, 5, 6, 7, 8 or 9.

5. (Previously Presented) A method as claimed in claim 1, wherein at least one of the at

least one subcarrier modulation signal approximates or is derived from a predetermined basis

waveform.

6. (Previously Presented) A method as claimed in claim 5, in which the basis waveform is

at least one of a sine wave, cosine wave, triangular waveform.

7. (Previously Presented) A method as claimed in claim 5, wherein the basis waveform is

selected according to desired power distribution characteristics of the transmission signal.

8. (Previously Presented) A method as claimed in claim 1, wherein the at least one

subcarrier modulation signal comprises at least two mutually orthogonal subcarrier modulation

signals.

9. (Canceled)

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10. (Previously Presented) A method as claimed in claim 8, wherein the at least two

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subcarrier modulation signals comprises a pair of subcarriers having a predetermined phase

relationship.

11. (Previously Presented) A method as claimed in claim 1, wherein the at least one

subcarrier modulation signal comprises an in-phase subcarrier and a quadrature phase subcarrier.

12. (Previously Presented) A method as claimed in claim 11, further comprising the step of

determining from said number, m, of amplitude levels the respective multiple amplitudes of the in-

phase and quadrature phase subcarriers to maintain a substantially constant transmission signal

envelope.

13. (Previously Presented) A method as claimed in claim 1, further comprising the steps of

deriving from said number, m, of amplitude levels the amplitudes associated with the at least one

subcarrier modulation signal from a plurality of phase states.

14. (Original) A method as claimed in claim 13, in which the phase states are equally

angularly distributed around a unit circle.

15. (Previously Presented) A method as claimed in claim 1, wherein durations of the

amplitudes of said number, m, of amplitude levels of the at least one subcarrier modulation signal

are substantially equal.

16. (Previously Presented) A method as claimed in claim 1, wherein the durations of the at

least a pair of amplitudes of said number, m, of amplitude levels of the at least one subcarrier

modulation signal are different.

17. (Previously Presented) A method as claimed in claim 15, wherein the durations are

quantized according to an associated clock signal.

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18. (Previously Presented) A method as claimed in claim 1, wherein at least a pair of

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subcarriers cooperate to define an associated plurality of phase states resolved according to mutually

orthogonal axes.

19. (Previously Presented) A method as claimed in claim 18, wherein the plurality of phase

states is associated with respective ranging signals.

20. (Previously Presented) A method as claimed in claim 18, wherein dwell times in at least

some of the plurality of phase states are unequal.

21. (Previously Presented) A method as claimed in claim 18, wherein a first group of the

phase states have a first dwell and a second group of the phase states have a second dwell time.

22. (Previously Presented) A method as claimed in claim 18, wherein the dwell times are

quantized according to a clock.

23-97. (Canceled)

98. (Previously Presented) A method as claimed in claim 1, wherein said modulating

comprises modulating a ranging signal using a subcarrier signal.

99. (Previously presented) A method as claimed in claim 1, further comprising generating

the at least one subcarrier modulation signal by mixing at least one ranging signal with at least one

subcarrier signal.

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